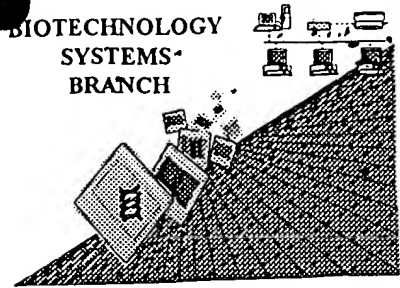


0590
09/11

BIOTECHNOLOGY
SYSTEMS
BRANCH



RAW SEQUENCE LISTING ERROR REPORT

The Biotechnology Systems Branch of the Scientific and Technical Information Center (STIC) detected errors when processing the following computer readable form:

Application Serial Number: 09/943,115
Source: O/PE
Date Processed by STIC: 9/21/2001

THE ATTACHED PRINTOUT EXPLAINS DETECTED ERRORS.

PLEASE FORWARD THIS INFORMATION TO THE APPLICANT BY EITHER:

- 1) INCLUDING A COPY OF THIS PRINTOUT IN YOUR NEXT COMMUNICATION TO THE APPLICANT, WITH A NOTICE TO COMPLY or,
- 2) TELEPHONING APPLICANT AND FAXING A COPY OF THIS PRINTOUT, WITH A NOTICE TO COMPLY

FOR CRF SUBMISSION QUESTIONS, PLEASE CONTACT MARK SPENCER, 703-308-4212.

FOR SEQUENCE RULES INTERPRETATION, PLEASE CONTACT ROBERT WAX, 703-308-4216.
PATENTIN 2.1 e-mail help: patin21help@uspto.gov or phone 703-306-4119 (R. Wax)
PATENTIN 3.0 e-mail help: patin3help@uspto.gov or phone 703-306-4119 (R. Wax)

TO REDUCE ERRORED SEQUENCE LISTINGS, PLEASE USE THE CHECKER VERSION 3.0 PROGRAM, ACCESSIBLE THROUGH THE U.S. PATENT AND TRADEMARK OFFICE WEBSITE. SEE BELOW:

Checker Version 3.0

The Checker Version 3.0 application is a state-of-the-art Windows based software program employing a logical and intuitive user-interface to check whether a sequence listing is in compliance with format and content rules. Checker Version 3.0 works for sequence listings generated for the original version of 37 CFR §§1.821 - 1.825 effective October 1, 1990 (old rules) and the revised version (new rules) effective July 1, 1998 as well as World Intellectual Property Organization (WIPO) Standard ST.25.

Checker Version 3.0 replaces the previous DOS-based version of Checker, and is Y2K-compliant. Checker allows public users to check sequence listings in Computer Readable form (CRF) before submitting them to the United States Patent and Trademark Office (USPTO). Use of Checker prior to filing the sequence listing is expected to result in fewer errored sequence listings, thus saving time and money.

Checker Version 3.0 can be down loaded from the USPTO website at the following address:
<http://www.uspto.gov/web/offices/pac/checker>

Raw Sequence Listing Error Summary

ERROR DETECTED

SUGGESTED CORRECTION

SERIAL NUMBER: 09/943,115

ATTN: NEW RULES CASES: PLEASE DISREGARD ENGLISH "ALPHA" HEADERS, WHICH WERE INSERTED BY PTO SOFTWARE

- 1 Wrapped Nucleics
 Wrapped Aminos The number/text at the end of each line "wrapped" down to the next line. This may occur if your file was retrieved in a word processor after creating it. Please adjust your right margin to .3; this will prevent "wrapping."
- 2 Invalid Line Length The rules require that a line not exceed 72 characters in length. This includes white spaces.
- 3 Misaligned Amino
 Numbering The numbering under each 5th amino acid is misaligned. Do not use tab codes between numbers; use space characters, instead.
- 4 Non-ASCII The submitted file was not saved in ASCII(DOS) text, as required by the Sequence Rules. Please ensure your subsequent submission is saved in ASCII text.
- 5 Variable Length Sequence(s) contain n's or Xaa's representing more than one residue. Per Sequence Rules, each n or Xaa can only represent a single residue. Please present the maximum number of each residue having variable length and indicate in the <220>-<223> section that some may be missing.
- 6 PatentIn 2.0
 "bug" A "bug" in PatentIn version 2.0 has caused the <220>-<223> section to be missing from amino acid sequences(s) . Normally, PatentIn would automatically generate this section from the previously coded nucleic acid sequence. Please manually copy the relevant <220>-<223> section to the subsequent amino acid sequence. This applies to the mandatory <220>-<223> sections for Artificial or Unknown sequences.
- 7 Skipped Sequences
 (OLD RULES) Sequence(s) missing. If intentional, please insert the following lines for each skipped sequence:
 (2) INFORMATION FOR SEQ ID NO:X: (insert SEQ ID NO where "X" is shown)
 (i) SEQUENCE CHARACTERISTICS: (Do not insert any subheadings under this heading)
 (xi) SEQUENCE DESCRIPTION: SEQ ID NO:X: (insert SEQ ID NO where "X" is shown)
 This sequence is intentionally skipped

 Please also adjust the "(ii) NUMBER OF SEQUENCES:" response to include the skipped sequences.
- 8 Skipped Sequences
 (NEW RULES) Sequence(s) missing. If intentional, please insert the following lines for each skipped sequence.
 <210> sequence id number
 <400> sequence id number
 000
- 9 Use of n's or Xaa's
 (NEW RULES) Use of n's and/or Xaa's have been detected in the Sequence Listing.
 Per 1.823 of Sequence Rules, use of <220>-<223> is MANDATORY if n's or Xaa's are present.
 In <220> to <223> section, please explain location of n or Xaa; and which residue n or Xaa represents.
- 10 Invalid <213>
 Response Per 1.823 of Sequence Rules, the only valid <213> responses are: Unknown, Artificial Sequence, or scientific name (Genus/species). <220>-<223> section is required when <213> response is Unknown or is Artificial Sequence
- 11 Use of <220> Sequence(s) missing the <220> "Feature" and associated numeric identifiers and responses.
 Use of <220> to <223> is MANDATORY if <213> "Organism" response is "Artificial Sequence" or "Unknown." Please explain source of genetic material in <220> to <223> section.
 (See "Federal Register," 06/01/1998, Vol. 63, No. 104, pp. 29631-32) (Sec. 1.823 of Sequence Rules)
- 12 PatentIn 2.0
 "bug" Please do not use "Copy to Disk" function of PatentIn version 2.0. This causes a corrupted file, resulting in missing mandatory numeric identifiers and responses (as indicated on raw sequence listing). Instead, please use "File Manager" or any other manual means to copy file to floppy disk.
- 13 Misuse of n n can only be used to represent a single nucleotide in a nucleic acid sequence. N is not used to represent any value not specifically a nucleotide.

OIPE

RAW SEQUENCE LISTING

DATE: 09/21/2001

PATENT APPLICATION: US/09/943,115

TIME: 20:43:25

Input Set : A:\GG119-3US.ST25.txt

Output Set: N:\CRF3\09212001\I943115.raw

Does Not Comply
Corrected Diskette Needed

OK

ppr 15

3 <110> APPLICANT: Risinger, Carl
 4 Andersson, Maria K.
 5 Lewander, Tommy
 6 Olaisson, Erik
 8 <120> TITLE OF INVENTION: Detection of CYP3A4 and CYP2C9 Polymorphisms
 10 <130> FILE REFERENCE: GG119.3US
 12 <140> CURRENT APPLICATION NUMBER: US/09/943,115
 12 <141> CURRENT FILING DATE: 2001-08-30
 12 <150> PRIOR APPLICATION NUMBER: GB 0021286.0
 13 <151> PRIOR FILING DATE: 2000-08-30
 15 <160> NUMBER OF SEQ ID NOS: 72
 17 <170> SOFTWARE: PatentIn version 3.1
 19 <210> SEQ ID NO: 1
 20 <211> LENGTH: 1345
 21 <212> TYPE: DNA
 22 <213> ORGANISM: homo sapiens
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 29 gaaggggcca ctctttggca aagaacctgt ctaacttget atctatggca ggacctttga 180
 31 aggggttcaca ggaagcagca caaattgata ctattccacc aagccatcag ctccatctca 240
 33 tccatgccct gtctctcctt taggggtccc ctggccaaca gaatcacaga ggaccagcct 300
 35 gaaagtgcag agacagcagc tgaggcacag ccaagagctc tggctgtatt aatgacctaa 360
 37 gaagtcacca gaaagtcaga aggatgcata gcagaggccc agcaatctca gctaagtcaa 420
 39 ctccaccagc ctttctagtt gccactgtg tgtacagcac scgtgtaggg accagagcca 480
 41 tgacagggaa taagactaga ctatgccctt gaggagctca cctctgttca gggaaacagg 540
 43 cgtggaaaca caatggtggt aaagaggaaa gaggacaata ggattgcatg aaggggatgg 600
 45 aaagtgccca ggggaggaaa tggttacatc tgtgtgagga gtttggtgag gaaagactct 660
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 59 agcacagggtg gccctgctac tggtgcagc tccagccctg cctccttctc tagcatataa 1080
 61 acaatccaac agcctcactg aatcactgct gtgcagggca ggaaagctcc atgcacatag 1140
 63 ccagcaaaag agcaacacag agctgaaaag aagactcaga ggagagagat aagtaaggaa 1200
 65 agtagtgatg gctctcatcc cagacttggc catggaaacc tggcttctcc tggctgtcag 1260
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 81 <210> SEQ ID NO: 3

RAW SEQUENCE LISTING

PATENT APPLICATION: US/09/943,115

DATE: 09/21/2001

TIME: 20:43:25

Input Set : A:\GG119-3US.ST25.txt

Output Set: N:\CRF3\09212001\I943115.raw

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105 agggcaggag 10
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118 ctccctgagga atgaaatgat tattataaag acagcaaccg agcttatttt acccaaaata 180
120 aggtagtata tttctgttag agtttagagt ttcatgagtc agggaccaag ttattgcttt 240
122 tctttgccct gtataaaggc ttctccaagg cctttgactt acctaagtac taaatgttat 300
124 aaaaccaaac tcttctgacc tctcaatcta gtcaactggg gctgtaatta ttaatgaaat 360
126 taatgtttat ttgaaaata atttactaga ctgaattacg aaatcctgaa tcattgtaca 420
128 ctatcagtaa atattggtgg acccaactga actgaatggt ttgcttgaaa tgaaaccttt 480
130 gagatgcagg gcttatgggt tctagtccca gctctagcac tagcagacag catgttcttg 540
132 gctaagatac tgaatcttca aggtcagct tctcattcc ggaaatgggt caattttatt 600
134 gtaagcagag gtaattgaga gattcaaaaag ggacatgagg tgaacaatt ctctgtaa 660
136 tgttagaatc cctgttaaaa atgaccagta aagctttgtg caactgtgtc ttgacataac 720
138 tttatttttc ttaataaaaag aaatggaaat aacctcacta gggaatttag aacaaatatg 780
140 atgatatctt taaagaaaat ggctttgcac aagtattgac attaatgatc tagtaaagtg 840
142 tatctttcta gttgtattta gatcctcaac tcagtatgtc agctcctggt aagggtctata 900
144 cattgtggtg gttctgtgct gtgggtccat ttagtgattt ccctacctcc catcttytat 960
146 tgcattccaca actgtggttc tgtccataat ttctttgtct ttctgtgcat tattacatca 1020
148 tatctgaaaa tgagaaacca aaaacaatrg aaagcagcca tgtctggagg tgactggggg 1080
150 gtcgagaagc cctagtttct caaacctta gcaccaaatt tttccctcag ttacactgag 1140
152 cgtttcactt ctgcagtgat ggaraaggga gatcccttat ttcttctcat gagcatctct 1200
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162 tgttctocca gggctctccct ttcccatgtt gaaaaataaa aaataacaat tctgccttc 1500
164 aggaattttt tttagggggg ttaatkgtaa aggtgtttat atctgctaag gtaatttact 1560
166 tgatatatgt ttggttattt aagatatatg agttatgtta gctatttcat gtttaggctg 1620

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RAW SEQUENCE LISTING
PATENT APPLICATION: US/09/943,115

DATE: 09/21/2001
TIME: 20:43:25

Input Set : A:\GG119-3US.ST25.txt
Output Set: N:\CRF3\09212001\I943115.raw

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168 ctgtattttt agtaggctat attaaatatt tgaaaggatt wmattataaa gaacaaagtc 1680
170 tcctaattctt tgatatagca ttgacatact ttttaaatat acaaggcata gaatatggcc 1740
172 atttctgtta aatcatatat tcccaactgg ttattaatct aagaattcag aattttgagt 1800
174 aattgctttt gcatcagatt atttacttca gtgctctcaa ttatgatggt gcattagaac 1860
176 catctggggtt aacatttggt ttttattacc aatacctagg ctccaaccaa gtacagtga 1920
178 actggaatgt acagagtgga caatggaacg aaggagaaca agaccaaagg acattttatt 1980
180 tttatctgta tcagtgggtc aaagtccctt cagaaggagc atatagtgga cctaggtgat 2040
182 tgggtcaattt atccatcaaa gaggcacaca ccgaattagc atggagtgtt ataaaaggct 2100
184 tggagtgcaa gctcatggtt gtcttaacaa gaagagaagg cttcaatgga ttctcttggt 2160
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188 agaggaaaac tccctcctgg ccccaactct ctcccagtga ttggaaatat cctacagata 2280
190 ggtattaagg acatcagcaa atccttaacc aatgtaagta tgctccttca gtggcttgca 2340
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209 <213> ORGANISM: synthetic
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225 <211> LENGTH: 19
226 <212> TYPE: DNA
227 <213> ORGANISM: synthetic
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230 ccatccctt catgcaatc 19
233 <210> SEQ ID NO: 11
234 <211> LENGTH: 11
235 <212> TYPE: DNA
236 <213> ORGANISM: synthetic
238 <400> SEQUENCE: 11
239 agcaccctgg t 11
242 <210> SEQ ID NO: 12
243 <211> LENGTH: 11
244 <212> TYPE: DNA
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RAW SEQUENCE LISTING

DATE: 09/21/2001

PATENT APPLICATION: US/09/943,115

TIME: 20:43:25

Input Set : A:\GG119-3US.ST25.txt

Output Set: N:\CRF3\09212001\I943115.raw

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257 accagggtgc t	11
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288 <211> LENGTH: 11	
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292 <400> SEQUENCE: 17	
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305 <210> SEQ ID NO: 19	
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307 <212> TYPE: DNA	
308 <213> ORGANISM: synthetic	
310 <400> SEQUENCE: 19	
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315 <211> LENGTH: 23	
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319 <400> SEQUENCE: 20	
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RAW SEQUENCE LISTING

PATENT APPLICATION: US/09/943,115

DATE: 09/21/2001

TIME: 20:43:25

Input Set : A:\GG119-3US.ST25.txt

Output Set: N:\CRF3\09212001\I943115.raw

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338 ggatctccct tctccatcac t 21
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344 <213> ORGANISM: synthetic
346 <400> SEQUENCE: 23
347 ggtccattta gtgatttccc tac 23
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351 <211> LENGTH: 25
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353 <213> ORGANISM: synthetic
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389 <213> ORGANISM: synthetic
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392 ccagttggga atatatgatt taaca 25
395 <210> SEQ ID NO: 29

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The types of errors shown exist throughout the Sequence Listing. Please check subsequent sequences for similar errors.

VERIFICATION SUMMARY

PATENT APPLICATION: US/09/943,115

DATE: 09/21/2001

TIME: 20:43:26

Input Set : A:\GG119-3US.ST25.txt

Output Set: N:\CRF3\09212001\I943115.raw

L:12 M:270 C: Current Application Number differs, Replaced Current Application No
L:12 M:271 C: Current Filing Date differs, Replaced Current Filing Date